S3-03P07671 - Application No. 10/564,028 Response to Office action 5/4/2007

Response submitted May 22, 2007

Amendments to the Claims

Listing of Claims:

Claims 1-10 (canceled).

Claim 11 (currently amended). A circuit configuration for EMC electromagnetic

interference suppression for a direct current motor (1), the direct current motor

having a supply line (4) and a printed circuit (6) with a control circuit for controlling at least a speed or a torque of the direct current motor (4), the circuit configuration

comprising:

an attenuation element (7) connected in the supply line (4) of the direct

current motor (1), said attenuation element (7) having a high resistance for high-

frequency signals being configured to attenuate electromagnetic interference

signals generated in the direct current motor, containing a ferrite material, and

being disposed on the printed circuit (6) together with the control circuit for

controlling the direct current motor (1).

Claim 12 (currently amended). The circuit configuration according to claim 11,

wherein said attenuation element (7) is a common mode ferrite.

Claim 13 (currently amended). The circuit configuration according to claim 11,

wherein the direct current motor (4) has a housing (5), and said attenuation element

(7) is disposed as close as possible to said housing (5) of the direct current motor

(1).

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Claim 14 (currently amended). The circuit configuration according to claim 11.

wherein the direct current motor (1) has a housing (5), and said attenuation element

(7) is disposed in said housing (5) of the direct current motor (1).

Claim 15 (currently amended). The circuit configuration according to claims 11,

wherein the printed circuit (6) with said attenuation element (7) and the direct

current motor (1) are disposed in a common housing suitable for use as a switching

module (10).

Claim 16 (currently amended). The circuit configuration according to claim 15.

wherein said attenuation element (7) is configured to attenuate interference signals

due to sparking at a commutator of the direct current motor-(1).

Claim 17 (currently amended). The circuit configuration according to claim 11.

wherein said attenuation element (7) is an SMD a surface mounted device circuit.

Claim 18 (currently amended). The circuit configuration according to claim 17.

wherein said attenuation element (7) is configured to attenuate interference signals

due to sparking at a commutator of the direct current motor (1).

Claim 19 (currently amended). The circuit configuration according to claim 11,

wherein said printed circuit (6) is configured for later insertion of said attenuation

element (7).

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Claim 20 (currently amended). The circuit configuration according to claim 19,

wherein said attenuation element (7) is configured to attenuate interference signals

due to sparking at a commutator of the direct current motor (1).

Claim 21 (currently amended). The circuit configuration according to claim 11,

wherein the direct current motor (4) is configured to drive an auxiliary assembly for

a motor vehicle.

Claim 22 (currently amended). The circuit configuration according to claim 11,

wherein the direct current motor (1) is a drive motor of an assembly selected from

the group of a transmission control, windshield wipers, a window closing system,

and a seat adjuster.

Claim 23 (currently amended). A switching module, comprising:

a direct current motor (1):

a printed circuit connected to said direct current motor (1), said printed circuit

containing a control circuit for controlling said direct current motor (4) and an

attenuation element (7) connected in a supply line of said direct current motor (1);

said attenuation element (7) having a common mode ferrite (9) and being

disposed on said printed circuit (6) as close as possible to or in said direct current

motor (1); and

a common housing (10) enclosing said printed circuit (6), said attenuation

element (7), and said direct current motor (1).

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